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DESCRIPTORS: \*Phosphonic acids, \*Vinyl radicals,  
Synthesis, Polymerization.

(Chemistry--Organic, TT, v. 9, no. 5)

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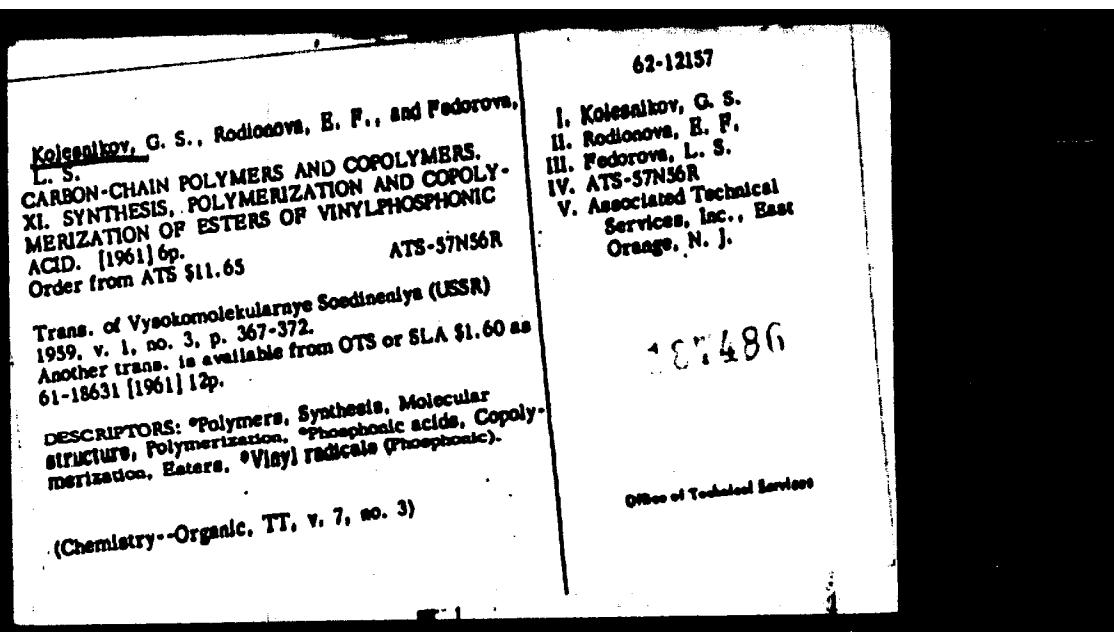
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1960, v. 2, no. 3, p. 431-435.

DESCRIPTORS: Polymerization, Copolymerization,  
Condensation reaction, Polymers, Cyclic compounds,  
Chlorine compounds

(Chemistry--Organic, TT, v. 6, no. 4)

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<p>Kolesnikov, G. S., Davydova, S. L., and Yermolayeva, T. I. CARBOCHAIN POLYMERS AND COPOLYMERS. XVII. POLIMERISATION OF DIALLYL DERIVATIVES OF SILICON AND GERMANIUM (Karbotosepnye Polimery i Sopolimery. XVII. Polimerizatsiya Diallylibit Proizvodnykh Kremniya i Germaniya). [1960] 4p. 8 figs. M. 2207. Order from IC or SLA m\$1.00, pb\$1.00 61-13702 Trans. of Vysokomolekularnye Soyedineniya (USSR) 1959, v. 1, no. 10, p. 1493-1495. Diallyl derivatives of silicon and germanium in presence of triethylaluminium and titanium tetrachloride yield low molecular weight polymers. A structure is proposed for the products obtained.</p> <p>(Chemistry--Organic, TT, v. 5, no. 2)</p>	<p>61-13702</p> <p>1. Allyl compounds . . . Polymerization 2. Silicon compounds (Organic)--Polymerization 3. Germanium compounds (Organic)--Polymerization 1. Kolesnikov, G. S. 2. Davydova, S. L. 3. Yermolayeva, T. I. IV. Title: Polymerization... V. DSIR LLU M. 2207</p> <p>Office of Technical Services</p>
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It was shown that the polymerization of acrylonitrile in emulsion and with the use of tributylboron as a catalyst takes place only in the presence of oxygen or an oxygen donor, for example hydrogen peroxide. Methylmethacrylate and styrene polymerize in the absence of oxygen with diminished yields below those in the presence of oxygen. The formation of compounds of a peroxide nature was shown qualitatively in emulsion polymerization of acrylonitrile in the presence of tributylboron and oxygen of the air and assumptions were made concerning their structure. A study was made of (Chemistry--Organic, TT, v. 5, no. 3) (over)

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2. Vinyl polymers--Synthesis

I. Kolesnikov, G. S.

II. Fedorova, L. S.

III. Title: Emulsion...

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